



Product Evaluation

DR879 | 0218

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: DR-879

Effective Date: February 1, 2018

Re-evaluation Date: February 2022

Product Name: Clad Ultimate Glazed Wood Outswing Side Hinged Doors, Non-Impact Resistant

Manufacturer: Marvin Windows and Doors
P.O. Box 100
Highway 11 West
Warroad, MN 56763
(218) 386-4021

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Clad Ultimate Glazed Outswing Side Hinged Doors; XO	LC-PG40 72.63 x 107.5	+40 / -40 psf
2	Clad Ultimate Glazed Outswing Side Hinged Doors; XX	LC-PG40 72.63 x 107.5	+40 / -40 psf

Product Dimensions:

System	Overall Size	Operating/Stationary Panel Size	Panel Glass Daylight Opening Size
1	72-5/8" x 107-1/2"	26-29/32" x 104-1/2"	25-9/16" x 95"
2	72-5/8" x 107-1/2"	26-29/32" x 104-1/2"	25-9/16" x 95"

Hardware:

- **Multi-Point Lock with Deadbolt:** Located on the active door panel lock stile. Center latch and deadbolt into passive panel; 2 end shoot bolts into a strike at the head and the sill.
- **Multi-Point Lock:** System 2 only; located on the passive door panel lock stile; receiver for deadbolt and latch on active panel lock stile.
- **Flush Bolts:** System 2 only; two required; located on the passive panel; Edge mounted; engages into strikes at the head and the sill.
- **Latch and Deadbolt Strike Plates:** System 1 only; one required; locate on the jamb; secured with two No. 8 x 2-1/2" PH screws.
- **Shoot Bolt Strike Plate – Head:** One required; secured to the door frame head with two, No. 8 x 1" PFH screws.
- **Shoot Bolt Strike Plate – Sill:** One required; secured to the sill with two, No. 8 x 5/8" PFH screws.
- **Flush Bolt Strike Plate – Head:** System 2 only; one required; secured to the door frame head with two, No. 8 x 1" PFH screws.
- **Flush Bolt Strike Plate – Sill:** System 2 only; one required; secured to the sill with two, No. 8 x 5/8" PFH screws.
- **Hinges:** Four required per panel; secured to the door panel with four No. 10 x 1-1/2" PH screws; secured to the door jamb with four No. 10 x 1" screws and one No. 10 x 2-1/2" PH screw.
- **Sill:** Fiberglass reinforce plastic with an oak liner to the interior; Ultrex; 4-9/16" height.

Product Identification (Certification Label on Door):

System		
1, 2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin Windows and Doors
	Product Name	C Ult Outswing French Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

System	Impact Resistant	Requirement
1, 2	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

Installation (One of the following):

Systems 1, 2: Secure the door to minimum Spruce-Pine-Fir dimension lumber wall framing. At the head and side jambs, secure the frame to the wall framing with minimum No.8 x 3" screws located approximately 6" from each corner and 12" on center. One No. 8 screw is located at the center of the sill at each panel. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members. Use construction adhesive at the sill.

Systems 1, 2: Secure the door to minimum Spruce-Pine-Fir dimension lumber wall framing. At the head and side jambs, secure the frame to the wall framing with galvanized steel clips (0.050" x 1.56" x 6-1/2"). Each clip is secured to the door frame with two No. 8 x 5/8" screws and to the wall framing with two No. 8 screws. Locate the clips approximately 6" from each corner and 12" on center. One No. 8 screw is located at the center of the sill of each panel. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing members. Use construction adhesive at the sill.

Note: Keep the manufacturer's installation instructions at the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.